

State Injury Profile for Hawaii

About the State Injury Profiles...

Following this introduction you will find the injury profile for your state and the nation. The maps and tables contain information on injury deaths and death rates; however, it is important to remember that hundreds of thousands of Americans are nonfatally injured each year, many of whom suffer permanent disabilities. Your state injury profile includes:

- The 10 leading causes of death by age group for your state and the nation. These charts contain the total number of deaths for the three-year period 1995 through 1997. The summary table at the bottom of each page shows the total number of injuries across all ages for the same three-year period and the average number of deaths per year.
- The tables on the next page show the number of deaths for your state and the nation for the leading causes of injury death (separated by the type of injury—unintentional, suicide, and homicide) for the same three-year period.
- The next pages contain U.S. maps indicating the death rate per 100,000 persons for all states over a three-year period (1995-1997) for the leading causes of injury death. Beneath each map is a graph showing the death rate over a 10-year period (1988-1997). These maps and graphs will allow you to compare death rates for your state to other states and understand the 10-year trend in your state compared to the U.S. trend.
- The last two maps in the Profile give death-rate data and 10-year trends for two of the most frequent and disabling types of injury-related deaths: traumatic brain injury-related deaths, which can be caused by falls, firearms, motor-vehicle crashes, or other causes; and firearm-related deaths, unintentional or the result of homicide or suicide.

This State Injury Profile 2000 is presented as an appendix to the Centers for Disease Control and Prevention (CDC) Injury Fact Book, *Working to Prevent and Control Injury in the United States*. The Fact Book contains information regarding the cost of injury and the value of prevention, the work of CDC's National Center for Injury Prevention and Control, and the Safe USA Partnership Council. The Fact Book also contains fact sheets for many of the leading causes of injury death. Additional information can also be obtained from—

- The CDC National Center for Injury Prevention and Control web site: <http://www.cdc.gov/ncipc/>
- The CDC National Center for Injury Prevention and Control, Office of Planning, Evaluation, and Legislation: 770-488-4936
- Safe USA web site: <http://www.cdc.gov/safe/>
- Safe USA toll-free number: 1-888-252-7751

United States

10 Leading Causes of Deaths by Age Group: 1995-1997

| Rank | Age Groups | | | | | | | | | | Total |
|------|-------------------------------------|---------------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------------------|----------------------------------|--------------------------------------|---------------------------------------|--|--|
| | <1 | 1-4 | 5-9 | 10-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ | |
| 1 | Congenital Anomalies 19,113 | Unintentional Injuries 6,432 | Unintentional Injuries 4,734 | Unintentional Injuries 5,614 | Unintentional Injuries 41,018 | Unintentional Injuries 38,858 | Malignant Neoplasms 51,258 | Malignant Neoplasms 134,242 | Malignant Neoplasms 261,040 | Heart Disease 1,834,538 | Heart Disease 2,197,898 |
| 2 | Short Gestation 11,760 | Congenital Anomalies 1,922 | Malignant Neoplasms 1,593 | Malignant Neoplasms 1,491 | Homicide 19,978 | HIV 23,935 | Unintentional Injuries 43,023 | Heart Disease 104,809 | Heart Disease 201,533 | Malignant Neoplasms 1,147,043 | Malignant Neoplasms 1,617,565 |
| 3 | SIDS 9,438 | Malignant Neoplasms 1,350 | Congenital Anomalies 706 | Homicide 1,023 | Suicide 13,328 | Suicide 17,825 | Heart Disease 40,047 | Unintentional Injuries 29,523 | Bronchitis Emphysema Asthma 30,143 | Cerebro-vascular 419,616 | Cerebro-vascular 477,724 |
| 4 | Respiratory Distress Synd. 4,117 | Homicide 1,247 | Homicide 510 | Suicide 931 | Malignant Neoplasms 4,919 | Homicide 16,665 | HIV 39,570 | HIV 17,951 | Cerebro-vascular 29,087 | Bronchitis Emphysema Asthma 274,359 | Bronchitis Emphysema Asthma 317,955 |
| 5 | Maternal Complications 3,802 | Heart Disease 680 | Heart Disease 387 | Congenital Anomalies 647 | Heart Disease 3,106 | Malignant Neoplasms 14,327 | Suicide 19,938 | Cerebro-vascular 16,960 | Diabetes 24,987 | Pneumonia & Influenza 226,837 | Unintentional Injuries 283,912 |
| 6 | Placenta Cord Membranes 2,871 | Pneumonia & Influenza 504 | HIV 288 | Heart Disease 554 | HIV 1,318 | Heart Disease 10,097 | Homicide 11,689 | Liver Disease 16,300 | Unintentional Injuries 20,719 | Diabetes 138,117 | Pneumonia & Influenza 253,099 |
| 7 | Unintentional Injuries 2,356 | HIV 411 | Pneumonia & Influenza 221 | Bronchitis Emphysema Asthma 294 | Congenital Anomalies 1,254 | Cerebro-vascular 2,118 | Liver Disease 10,853 | Suicide 14,317 | Liver Disease 15,921 | Unintentional Injuries 91,315 | Diabetes 183,657 |
| 8 | Perinatal Infections 2,321 | Septicemia 236 | Bronchitis Emphysema Asthma 143 | Pneumonia & Influenza 184 | Bronchitis Emphysema Asthma 684 | Diabetes 1,881 | Cerebro-vascular 8,281 | Diabetes 12,589 | Pneumonia & Influenza 10,830 | Alzheimer's Disease 63,461 | Suicide 92,722 |
| 9 | Pneumonia & Influenza 1,409 | Perinatal Period 222 | Benign Neoplasms 132 | HIV 180 | Pneumonia & Influenza 630 | Pneumonia & Influenza 1,724 | Diabetes 5,581 | Bronchitis Emphysema Asthma 8,395 | Suicide 8,675 | Nephritis 62,838 | HIV 90,761 |
| 10 | Intrauterine Hypoxia 1,355 | Benign Neoplasms 189 | Anemias 98 | Cerebro-vascular 135 | Cerebro-vascular 527 | Liver Disease 1,690 | Pneumonia & Influenza 4,335 | Pneumonia & Influenza 6,405 | Septicemia 5,350 | Septicemia 52,315 | Liver Disease 75,444 |

United States Total Number of Injury Deaths

| <u>Cause</u> | <u>Deaths</u> | <u>Percent</u> |
|--------------------------|----------------|----------------|
| Unintentional Injury | 283,912 | 64.5% |
| Intentional | 156,434 | 35.5% |
| Total (1995-1997) | 440,346 | 100.0% |

Average Number of Injury Deaths per Year
In the United States = **146,782**

Hawaii

10 Leading Causes of Deaths by Age Group: 1995-1997

| Rank | Age Groups | | | | | | | | | | Total |
|------|----------------------------------|------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|
| | <1 | 1-4 | 5-9 | 10-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ | |
| 1 | Congenital Anomalies 76 | Unintentional Injuries 20 | Unintentional Injuries 15 | Unintentional Injuries 14 | Unintentional Injuries 139 | Unintentional Injuries 142 | Malignant Neoplasms 201 | Malignant Neoplasms 525 | Malignant Neoplasms 878 | Heart Disease 5,680 | Heart Disease 7,151 |
| 2 | Short Gestation 44 | Heart Disease 8 | Malignant Neoplasms 12 | Malignant Neoplasms 8 | Suicide 58 | Suicide 96 | Heart Disease 175 | Heart Disease 426 | Heart Disease 771 | Malignant Neoplasms 3,855 | Malignant Neoplasms 5,563 |
| 3 | SIDS 26 | Homicide 8 | Pneumonia & Influenza 2 | Heart Disease 6 | Homicide 30 | Malignant Neoplasms 58 | Unintentional Injuries 169 | Unintentional Injuries 124 | Cerebro-vascular 145 | Cerebro-vascular 1,635 | Cerebro-vascular 1,938 |
| 4 | Maternal Complications 14 | Malignant Neoplasms 6 | Benign Neoplasms 1 | Suicide 5 | Heart Disease 23 | Heart Disease 51 | HIV 103 | Cerebro-vascular 87 | Diabetes 100 | Pneumonia & Influenza 910 | Unintentional Injuries 1,050 |
| 5 | Placenta Cord Membranes 13 | Congenital Anomalies 4 | Bronchitis Emphysema Asthma 1 | Congenital Anomalies 2 | Malignant Neoplasms 17 | HIV 46 | Suicide 84 | Suicide 65 | Unintentional Injuries 62 | Bronchitis Emphysema Asthma 619 | Pneumonia & Influenza 1,002 |
| 6 | Respiratory Distress Synd. 13 | Benign Neoplasms 2 | Congenital Anomalies 1 | HIV 2 | Bronchitis Emphysema Asthma 5 | Homicide 36 | Cerebro-vascular 47 | Diabetes 54 | Bronchitis Emphysema Asthma 61 | Diabetes 414 | Bronchitis Emphysema Asthma 737 |
| 7 | Unintentional Injuries 13 | Pneumonia & Influenza 2 | Heart Disease 1 | Homicide 2 | Cerebro-vascular 4 | Cerebro-vascular 16 | Liver Disease 33 | HIV 54 | Liver Disease 45 | Unintentional Injuries 351 | Diabetes 584 |
| 8 | Intrauterine Hypoxia 8 | Liver Disease 1 | | Bronchitis Emphysema Asthma 1 | Congenital Anomalies 4 | Bronchitis Emphysema Asthma 5 | Homicide 33 | Liver Disease 41 | Suicide 44 | Septicemia 213 | Suicide 407 |
| 9 | Perinatal Infections 8 | Meningitis 1 | | Cerebro-vascular 1 | Pneumonia & Influenza 4 | Pneumonia & Influenza 4 | Bronchitis Emphysema Asthma 19 | Bronchitis Emphysema Asthma 26 | Pneumonia & Influenza 41 | Nephritis 205 | Septicemia 276 |
| 10 | 3 Tied | Nephritis 1 | | | 2 Tied | Septicemia 4 | Pneumonia & Influenza 15 | Homicide 22 | Septicemia 30 | Alzheimer's Disease 154 | Nephritis 260 |

Hawaii Total Number of Injury Deaths

| <u>Cause</u> | <u>Deaths</u> | <u>Percent</u> |
|--------------------------|---------------|----------------|
| Unintentional Injury | 1,050 | 65.5% |
| Intentional Injury | 554 | 34.5% |
| Total (1995-1997) | 1,604 | 100.0% |

Average Number of Injury Deaths per Year
In Hawaii = **535**

1995-1997 Leading Causes of Death

Unintentional Injury

United States Unintentional Injury

| <u>Cause</u> | <u>Deaths</u> | <u>Percent</u> |
|--------------|----------------|----------------|
| MV Traffic | 127,193 | 44.8% |
| Fall | 33,633 | 11.8% |
| Poisoning | 28,745 | 10.1% |
| Suffocation | 12,987 | 4.6% |
| Drowning | 12,360 | 4.4% |
| Fire/Burn | 11,304 | 4.0% |
| Other Causes | 57,690 | 20.3% |
| | 283,912 | 100.0% |

Hawaii Only Unintentional Injury

| <u>Cause</u> | <u>Deaths</u> | <u>Percent</u> |
|--------------|---------------|----------------|
| MV Traffic | 409 | 39.0% |
| Fall | 161 | 15.3% |
| Poisoning | 129 | 12.3% |
| Drowning | 107 | 10.2% |
| Suffocation | 51 | 4.9% |
| Other Causes | 193 | 18.4% |
| | 1,050 | 100.1% |

Intentional Injury

United States Suicide

| <u>Cause</u> | <u>Deaths</u> | <u>Percent</u> |
|--------------|---------------|----------------|
| Firearm | 54,235 | 58.5% |
| Suffocation | 15,960 | 17.2% |
| Poisoning | 15,355 | 16.6% |
| Other Causes | 7,172 | 7.7% |
| | 92,722 | 100.0% |

Hawaii Only Suicide

| <u>Cause</u> | <u>Deaths</u> | <u>Percent</u> |
|--------------|---------------|----------------|
| Suffocation | 169 | 41.5% |
| Firearm | 112 | 27.5% |
| Poisoning | 68 | 16.7% |
| Other Causes | 58 | 14.3% |
| | 407 | 100.0% |

United States Homicide and Legal Intervention

| <u>Cause</u> | <u>Deaths</u> | <u>Percent</u> |
|--------------|---------------|----------------|
| Firearm | 43,684 | 68.6% |
| Cut/Pierce | 7,647 | 12.0% |
| Suffocation | 2,327 | 3.7% |
| Other Causes | 10,054 | 15.8% |
| | 63,712 | 100.0% |

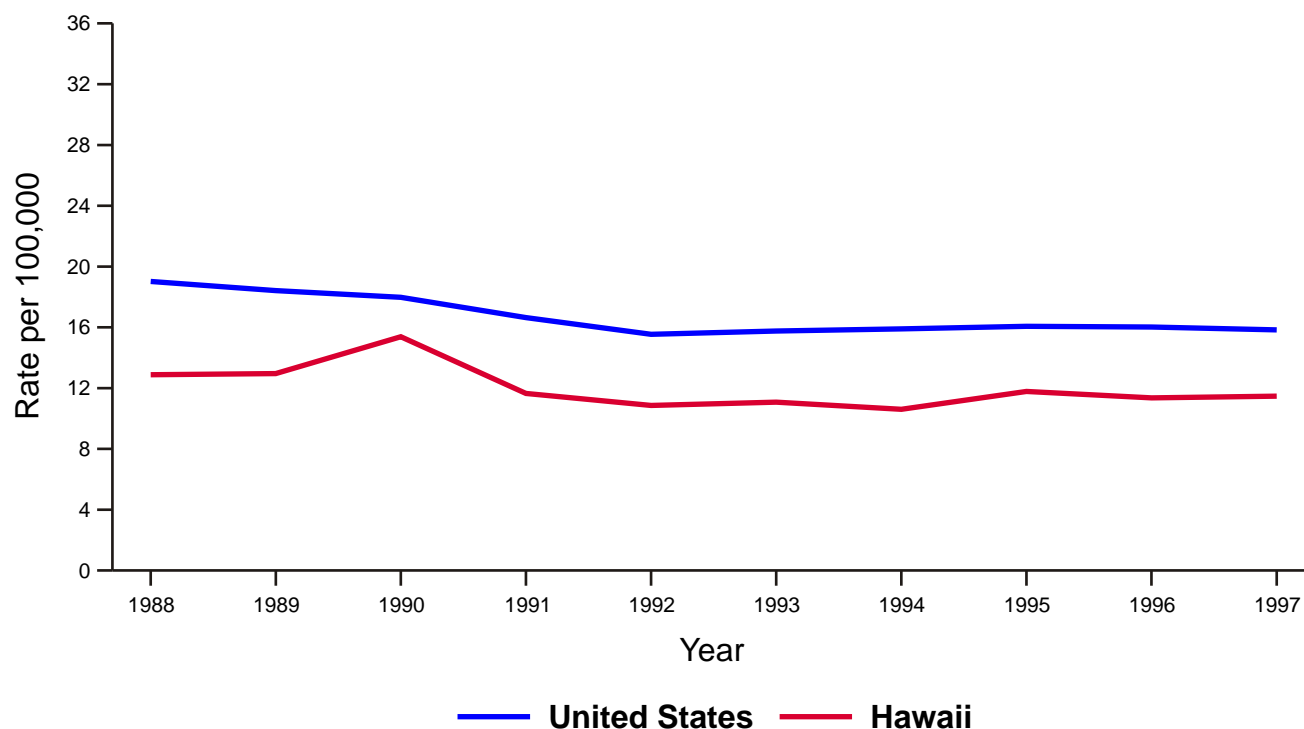
Hawaii Only Homicide and Legal Intervention

| <u>Cause</u> | <u>Deaths</u> | <u>Percent</u> |
|--------------|---------------|----------------|
| Firearm | 67 | 45.6% |
| Cut/Pierce | 24 | 16.3% |
| Suffocation | 4 | 2.7% |
| Other Causes | 52 | 35.4% |
| | 147 | 100.0% |

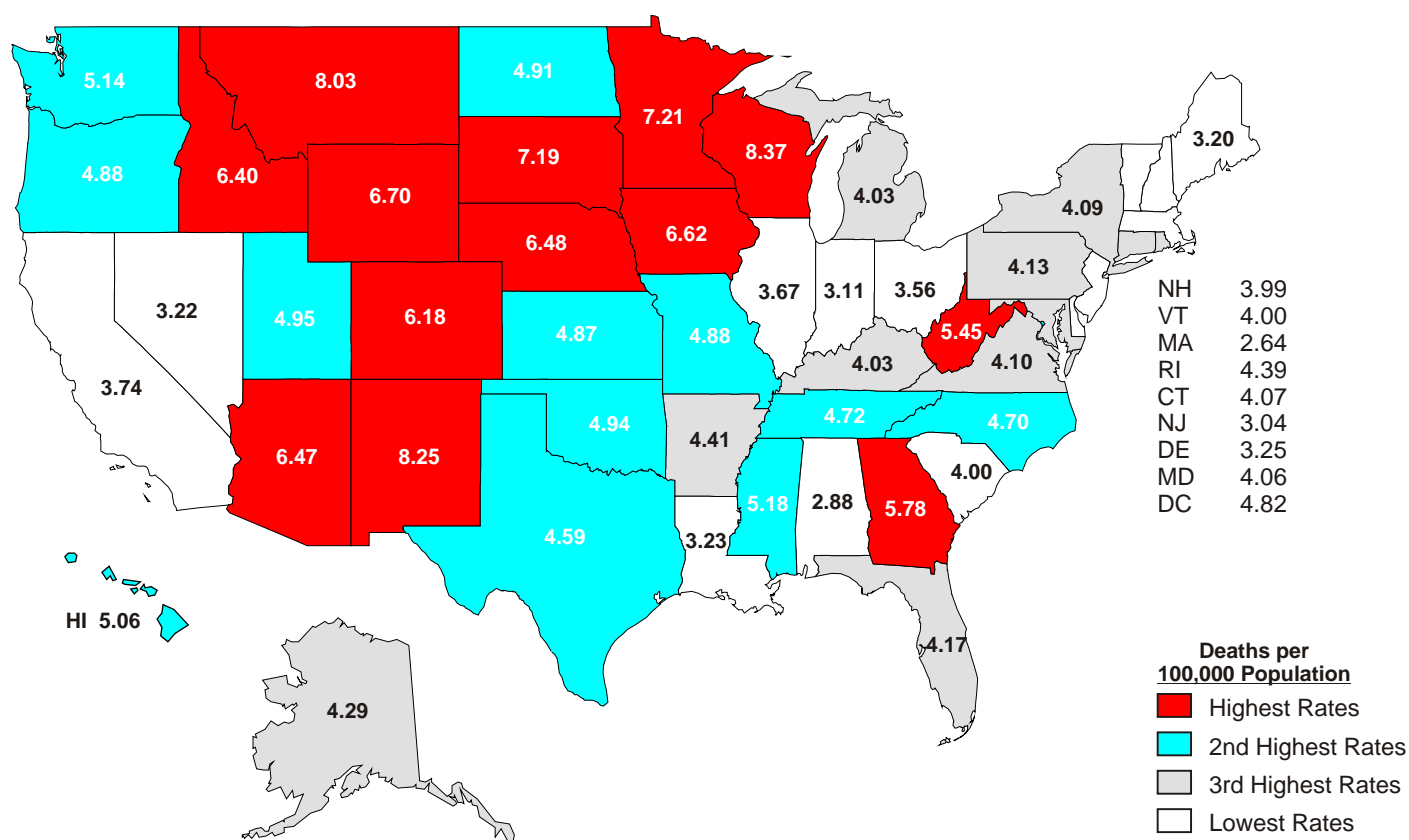
Unintentional Motor Vehicle, Traffic-Related Death Rates United States, 1995-1997



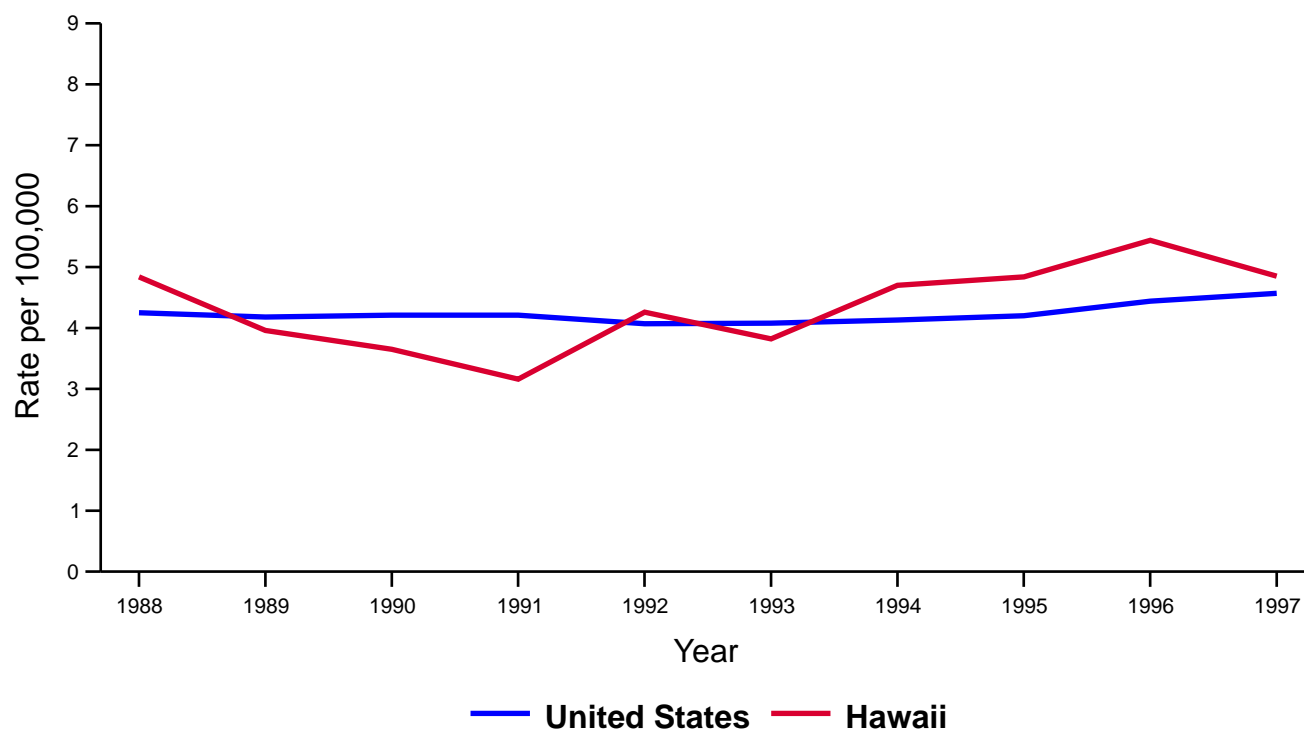
United States and Hawaii 1988-1997



Unintentional Fall Death Rates United States, 1995-1997



United States and Hawaii 1988-1997



Deaths per 100,000 Population

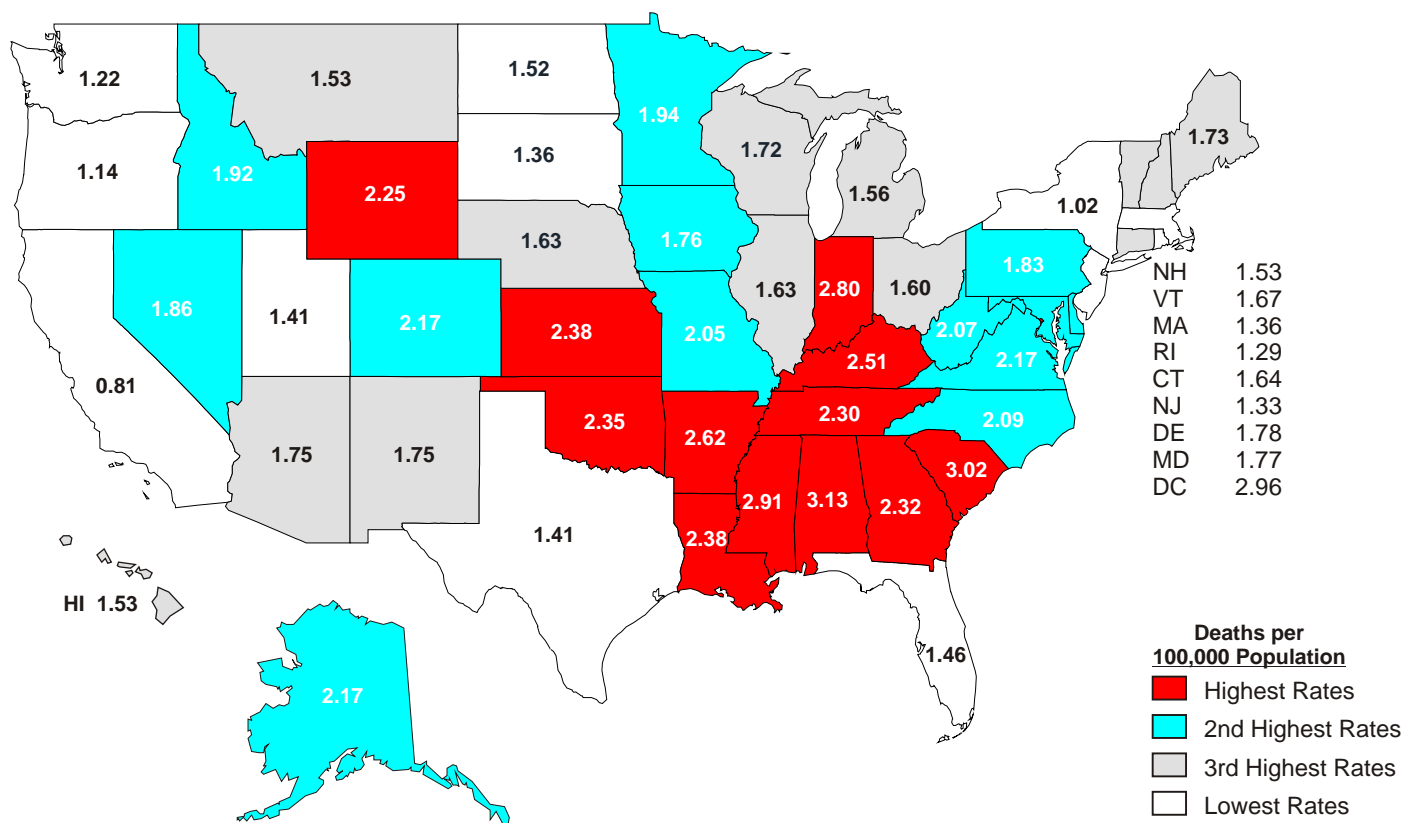
- Highest
- 2nd Highest
- 3rd Highest
- Lowest

| State | Deaths per 100,000 Population |
|-------|-------------------------------|
| WA | 5.22 |
| OR | 5.21 |
| CA | 5.79 |
| NV | 4.49 |
| HI | 3.63 |
| AK | 6.47 |
| MT | 1.62 |
| WY | 1.30 |
| SD | 1.49 |
| NE | 1.27 |
| KS | 1.57 |
| OK | 3.10 |
| TX | 3.35 |
| CO | 10.34 |
| AZ | 6.59 |
| NM | 1.63 |
| UT | 2.57 |
| WV | 1.49 |
| IN | 1.55 |
| IL | 3.81 |
| MI | 1.83 |
| WI | 1.47 |
| OH | 2.45 |
| PA | 6.14 |
| NY | 5.14 |
| CT | 5.69 |
| RI | 0.86 |
| MA | 0.55 |
| NH | 1.59 |
| VT | 1.60 |
| ME | 1.66 |
| DE | 5.07 |
| MD | 0.81 |
| DC | 2.77 |
| VA | 2.94 |
| NC | 2.70 |
| SC | 2.95 |
| GA | 2.57 |
| AL | 2.19 |
| MS | 2.42 |
| LA | 1.66 |
| TX | 3.35 |
| OK | 3.10 |
| KS | 1.57 |
| NE | 1.27 |
| SD | 1.49 |
| WY | 1.30 |
| MT | 1.62 |
| UT | 2.57 |
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| OK | 3.10 |
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| WY | 1.30 |
| MT | 1.62 |
| UT | 2.57 |
| NM | 1.63 |
| AZ | 6.59 |
| CO | 10.34 |
| WV | 1.49 |
| IN | 1.55 |
| IL | 3.81 |
| MI | 1.83 |
| WI | 1.47 |
| OH | 2.45 |
| PA | 6.14 |
| NY | 5.14 |
| CT | 5.69 |
| RI | 0.86 |
| MA | 0.55 |
| NH | 1.59 |
| VT | 1.60 |
| ME | 1.66 |
| DE | 5.07 |
| MD | 0.81 |
| DC | 2.77 |
| VA | 2.94 |
| NC | 2.70 |
| SC | 2.95 |
| GA | 2.57 |
| AL | 2.19 |
| MS | 2.42 |
| LA | 1.66 |
| TX | 3.35 |
| OK | 3.10 |
| KS | 1.57 |
| NE | 1.27 |
| SD | 1.49 |
| WY | 1.30 |
| MT | 1.62 |
| UT | 2.57 |
| NM | 1.63 |
| AZ | 6.59 |
| CO | 10.34 |
| WV | 1.49 |
| IN | 1.55 |
| IL | 3.81 |
| MI | 1.83 |
| WI | 1.47 |

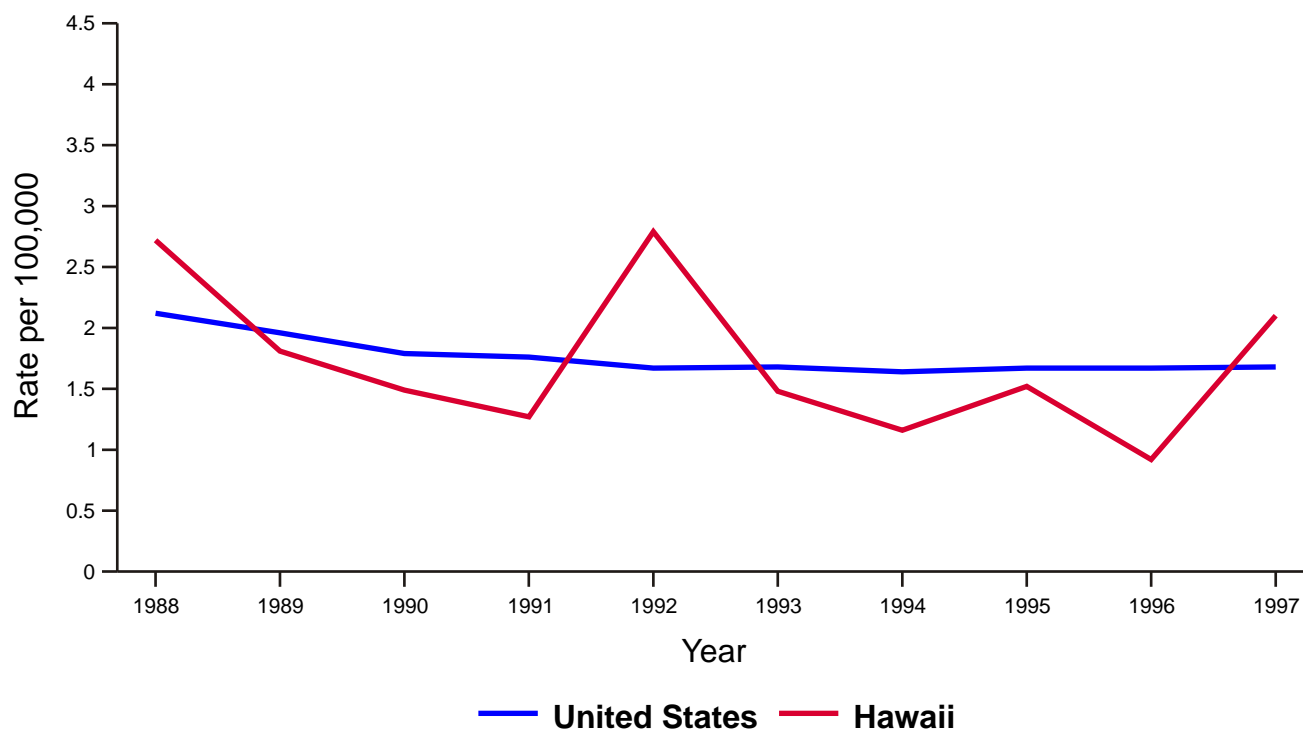
The graph displays the rate of HIV infection per 100,000 for the United States and Hawaii from 1988 to 1997. The United States rate (blue line) shows a steady increase from approximately 2.5 in 1988 to 3.8 in 1997. The Hawaii rate (red line) starts at 1.1 in 1988, dips to 0.5 in 1989, rises to 1.1 in 1991, dips to 0.7 in 1992, rises to 1.1 in 1993, peaks at 4.5 in 1994, and then declines to 3.0 in 1997.

| Year | United States | Hawaii |
|------|---------------|--------|
| 1988 | 2.5 | 1.1 |
| 1989 | 2.6 | 0.5 |
| 1990 | 2.3 | 0.9 |
| 1991 | 2.5 | 1.1 |
| 1992 | 2.7 | 0.7 |
| 1993 | 3.3 | 1.1 |
| 1994 | 3.4 | 4.5 |
| 1995 | 3.4 | 4.0 |
| 1996 | 3.6 | 3.8 |
| 1997 | 3.8 | 3.0 |

Unintentional Suffocation Death Rates United States, 1995-1997



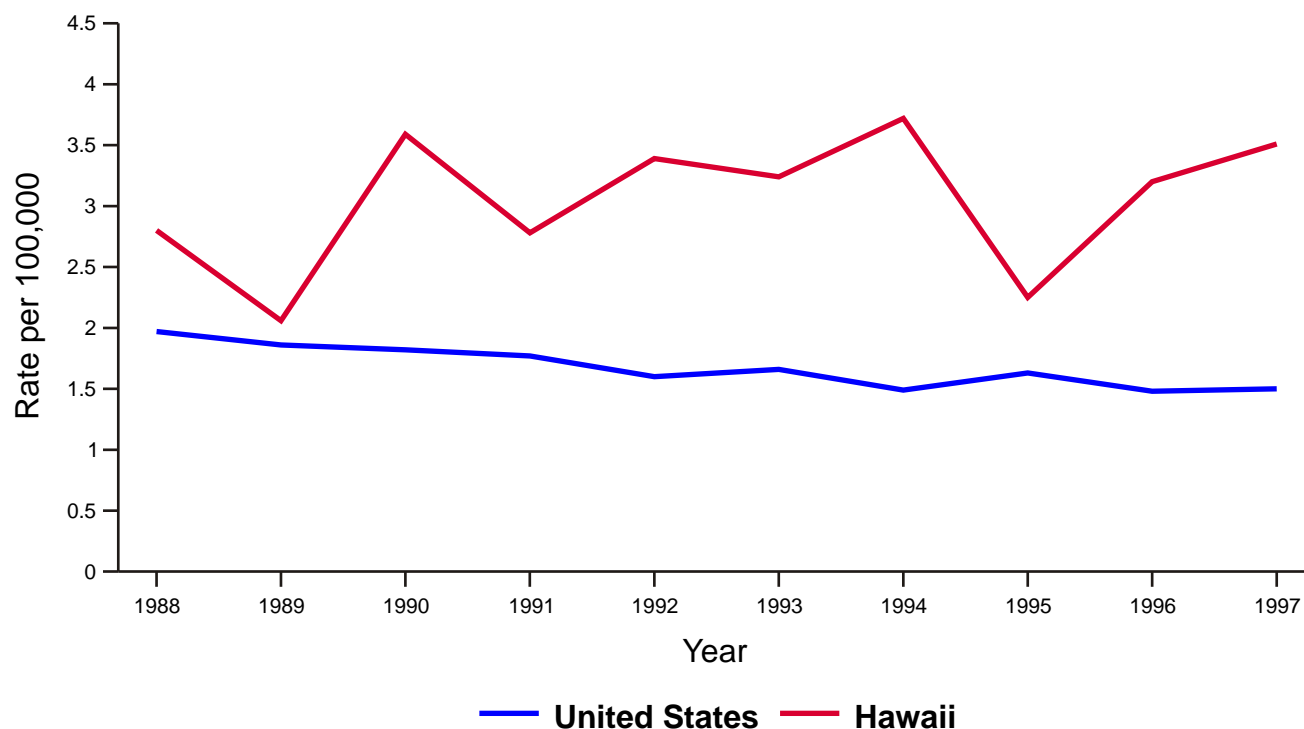
United States and Hawaii 1988-1997



Unintentional Drowning Death Rates United States, 1995-1997



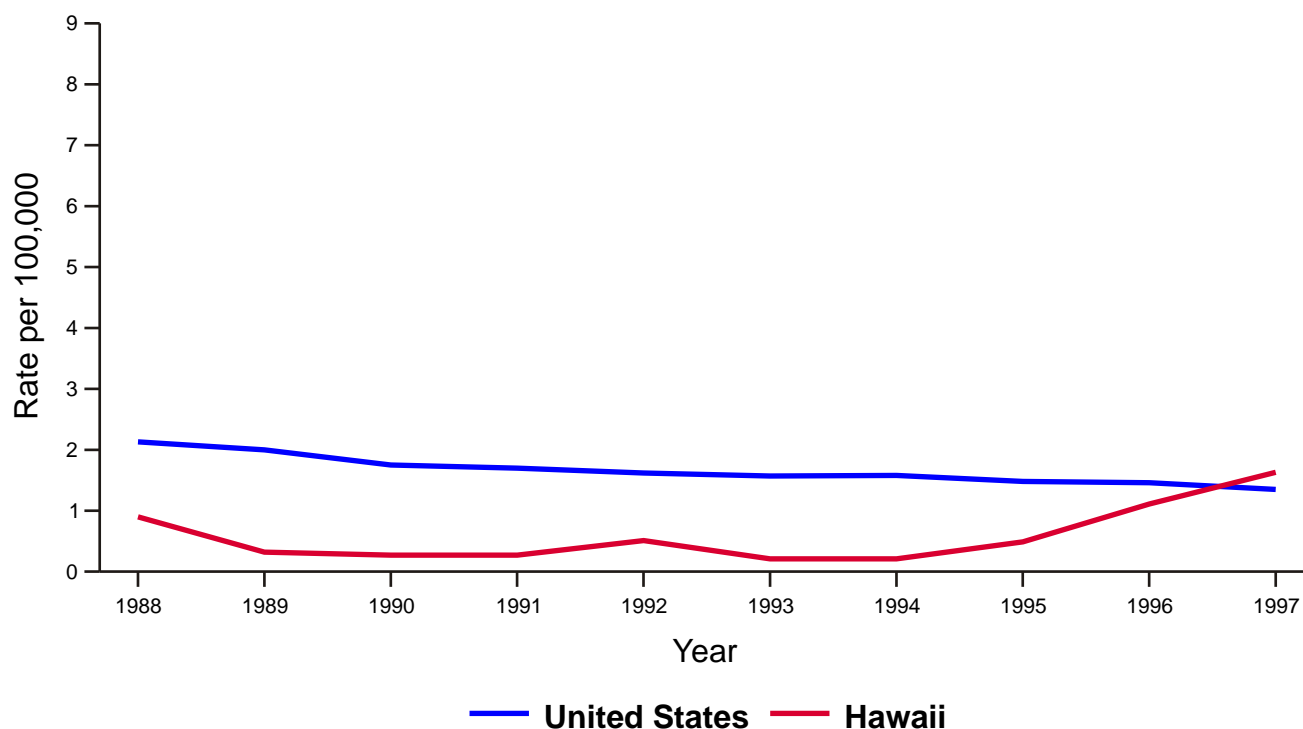
United States and Hawaii 1988-1997



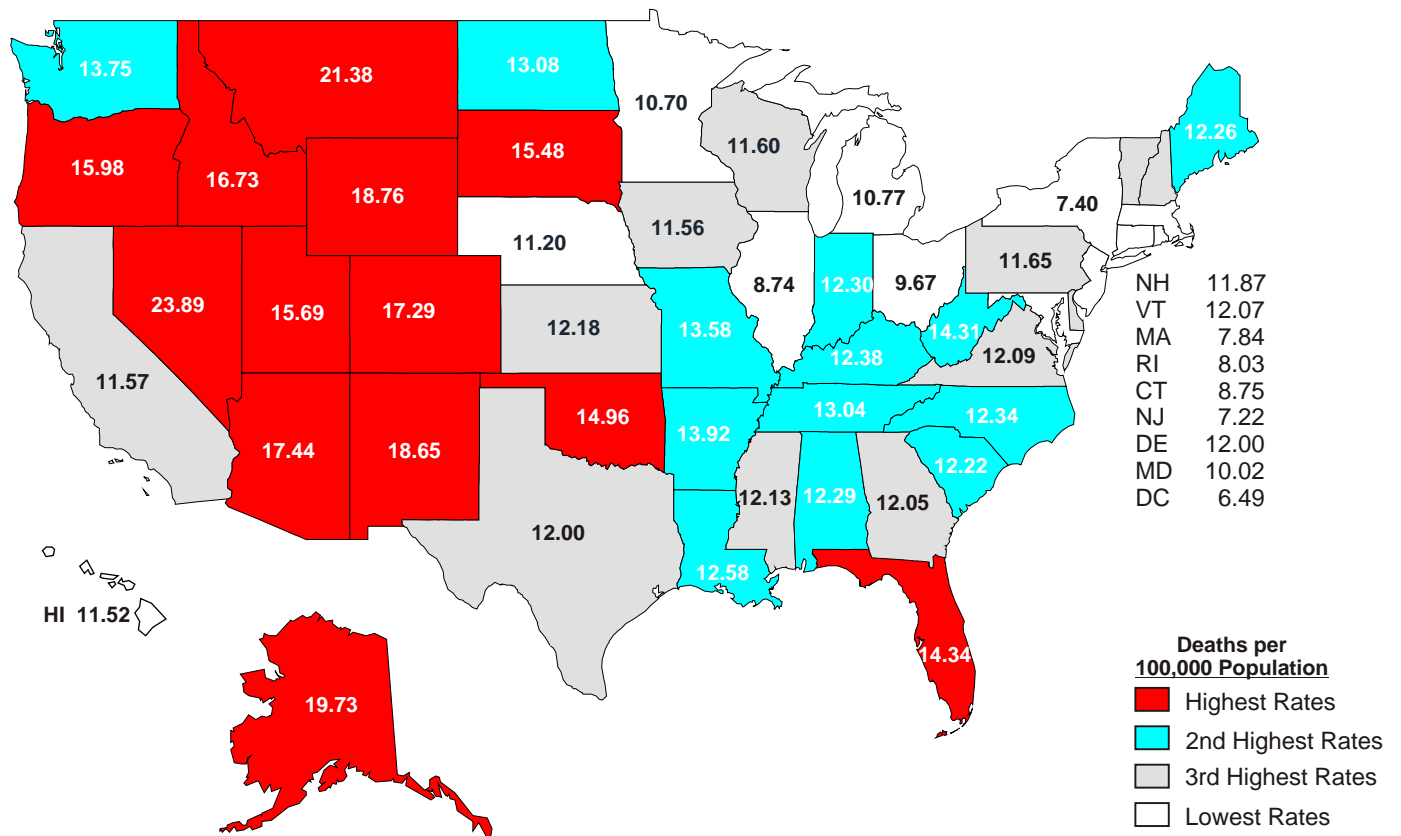
Unintentional Fire and Burn-Related Death Rates United States, 1995-1997



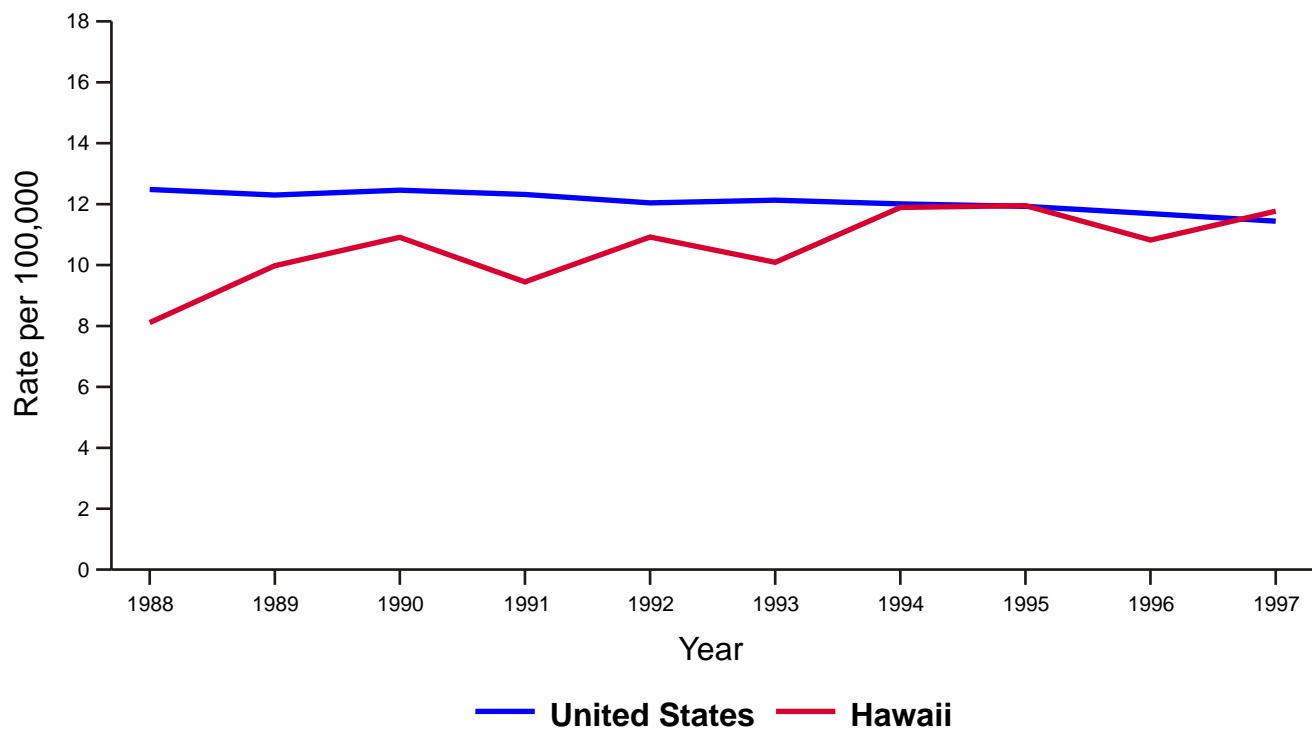
United States and Hawaii 1988-1997



Suicide Death Rates United States, 1995-1997



United States and Hawaii 1988-1997



Deaths per 100,000 Popu

100,000 Popu

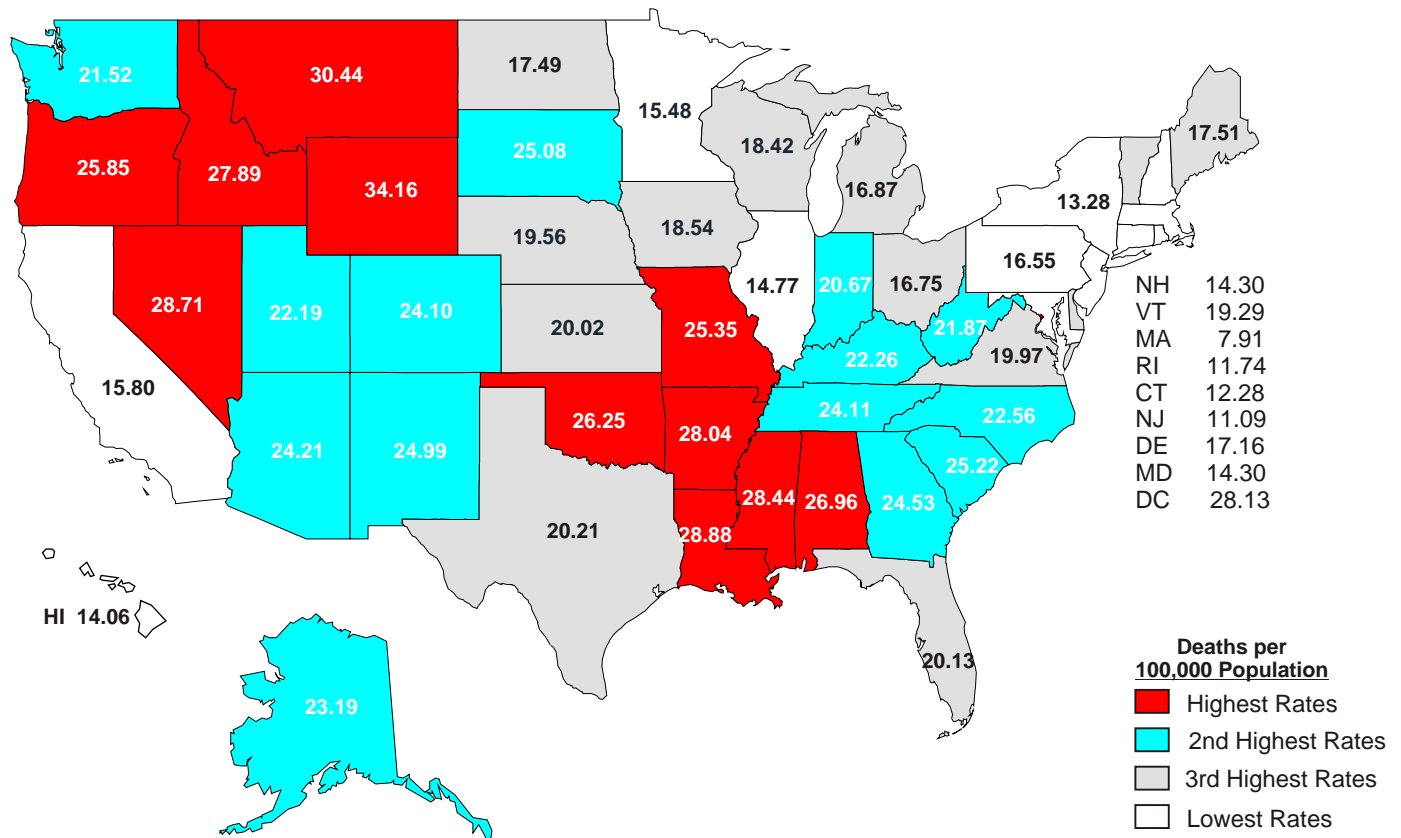
- Highest
- 2nd Hig
- 3rd Hig
- Lowest

| State | Death Rate per 100,000 Population |
|-------|-----------------------------------|
| CA | 11.34 |
| TX | 8.17 |
| IL | 10.34 |
| NY | 6.45 |
| WA | 4.87 |
| OR | 3.97 |
| MT | 1.87 |
| ND | 2.60 |
| SD | 3.63 |
| NE | 2.46 |
| IA | 8.51 |
| MO | 5.96 |
| KS | 3.56 |
| OK | 10.11 |
| LA | 16.79 |
| MS | 14.40 |
| AL | 12.02 |
| GA | 9.27 |
| SC | 9.30 |
| NC | 9.07 |
| VA | 7.41 |
| MD | 11.66 |
| DE | 5.87 |
| NJ | 4.98 |
| CT | 4.74 |
| RI | 3.11 |
| MA | 3.07 |
| VT | 1.89 |
| NH | 1.86 |
| DC | 56.87 |
| AK | 8.18 |
| HI | 4.10 |

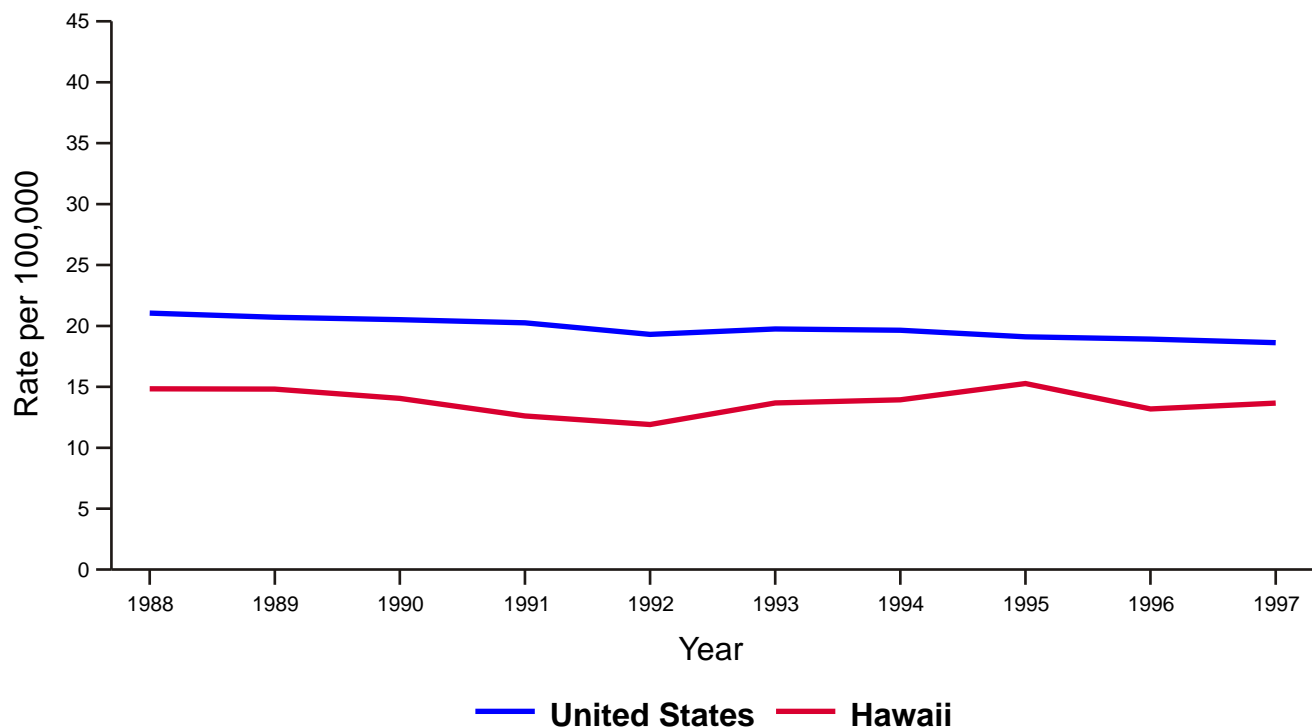
The graph displays the rate of HIV infection per 100,000 people for the United States and Hawaii from 1988 to 1997. The United States rate (blue line) starts at approximately 8.5 in 1988, peaks at 10.0 in 1991, and ends at approximately 7.3 in 1997. The Hawaii rate (red line) starts at approximately 3.0 in 1988, peaks at 4.8 in 1995, and ends at approximately 4.0 in 1997.

| Year | United States | Hawaii |
|------|---------------|--------|
| 1988 | 8.5 | 3.0 |
| 1989 | 8.8 | 4.3 |
| 1990 | 9.5 | 3.5 |
| 1991 | 10.0 | 4.2 |
| 1992 | 9.6 | 3.4 |
| 1993 | 9.8 | 3.1 |
| 1994 | 9.3 | 3.6 |
| 1995 | 8.5 | 4.8 |
| 1996 | 7.8 | 3.5 |
| 1997 | 7.3 | 4.0 |

Traumatic Brain Injury-Related Death Rates* United States, 1995-1997

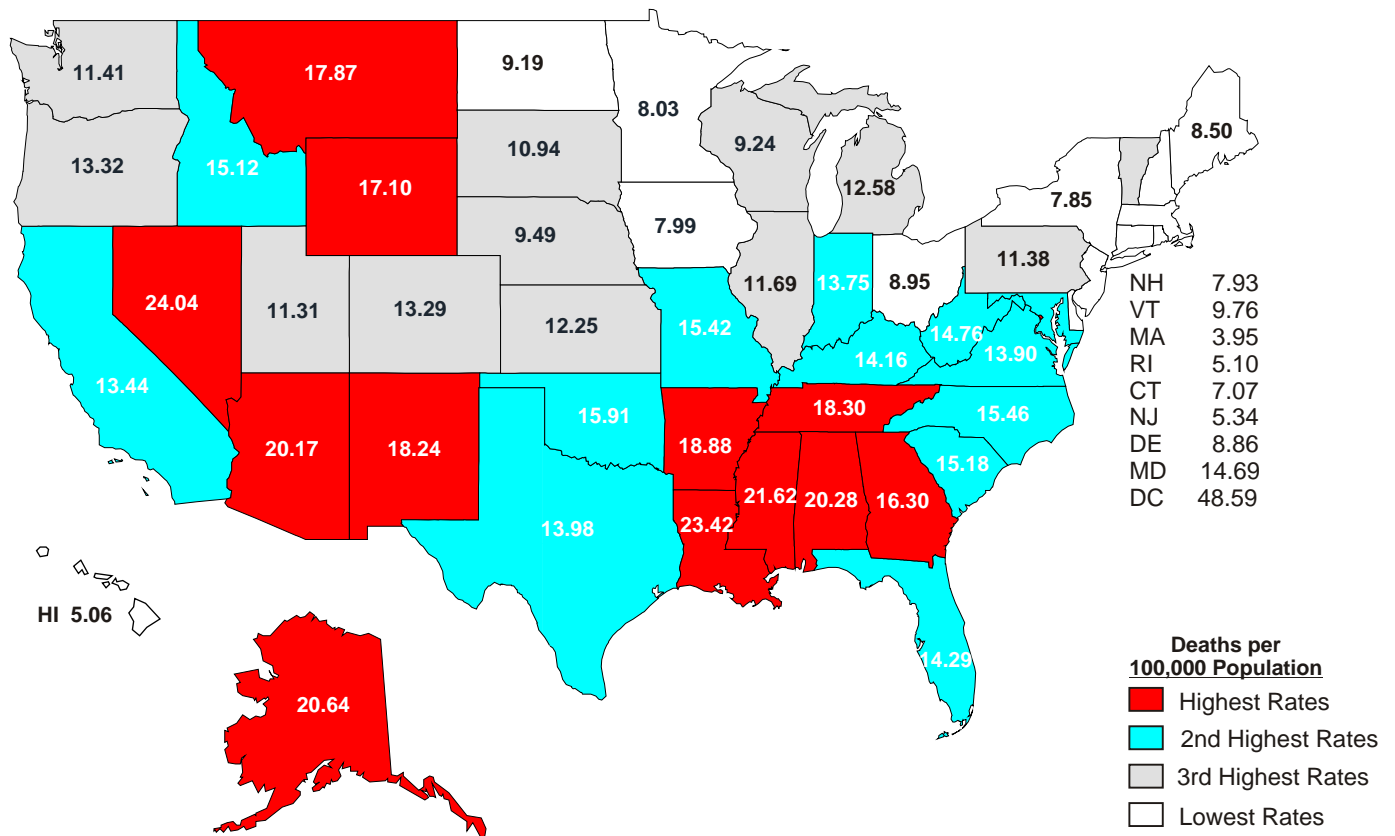


United States and Hawaii 1988-1997

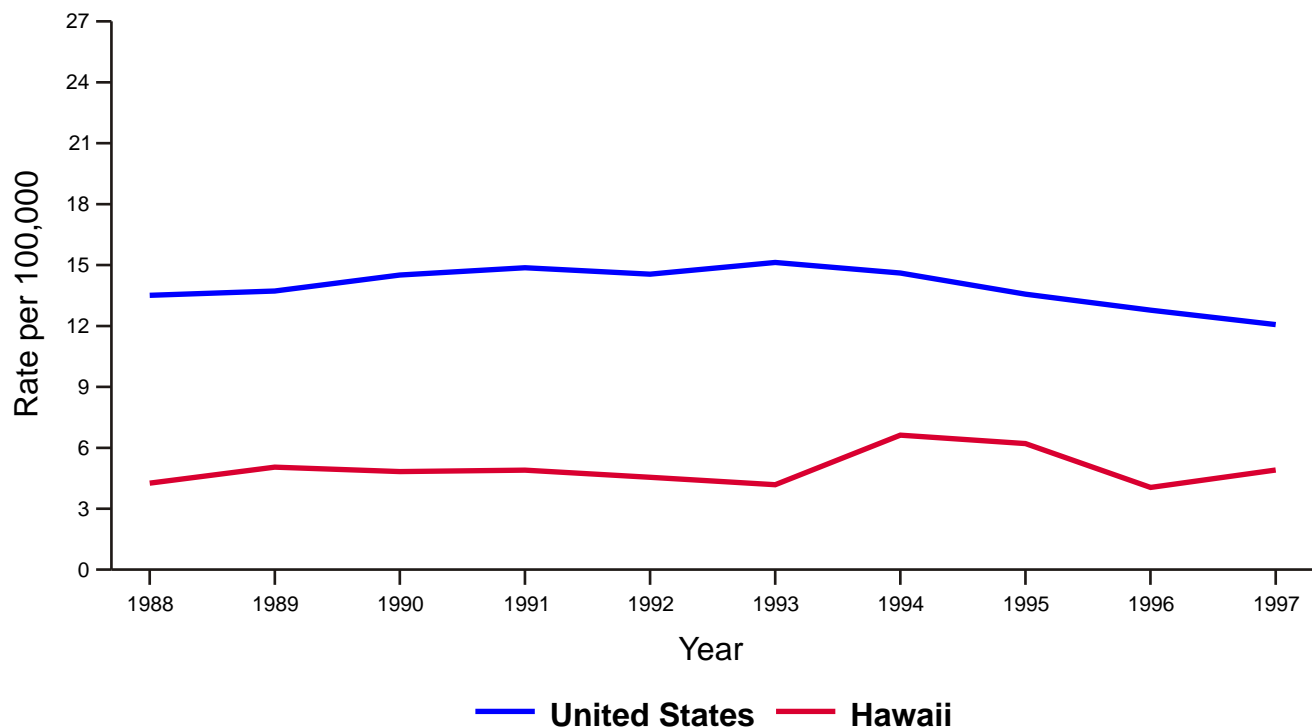


* Includes unintentional and intentional deaths from motor vehicles, firearms, falls, and other causes (of determined and undetermined intent).

Firearm-Related Death Rates* United States, 1995-1997



United States and Hawaii 1988-1997



* Includes deaths from firearm suicide, firearm homicide, unintentional firearm-related deaths, and firearm-related deaths of undetermined intent.

HAWAII INJURY CONTROL PROJECTS

Cooperative Agreements

At present, there are no cooperative agreements in Hawaii funded by the National Center for Injury Prevention and Control (NCIPC).

Research Grants

At present, there are no extramural research projects in Hawaii funded by the NCIPC.